

Living With the Sun



ENERGY AND ENVIRONMENT - Monthly Lecture Series 2005



3rd Thursday - 7 to 9 PM

City of Scottsdale, Community Design Studio, 7506 E. Indian School Rd.
(NE corner of 75th Street & Indian School Road)

The *Energy and Environment* Lecture Series is sponsored by the Arizona Solar Energy Association and the Arizona Solar Center in cooperation with the City of Scottsdale Green Building Program.

February 17, 2005	RENEWABLE FUTURES: Visions of Appropriateness Renewable energy buildings and communities – a view of the future with local designers sharing their visions.
March 17, 2005	RESOURCES: Toward Security, Stability and Sustainability – Renewable Energy Opportunities for Power and Independence Overview of renewable energy power sources including wind, water, geothermal, hydrogen, and solar.
April 21, 2005	STRATEGIES: Site and Situation – Planning, Designing and Landscaping for Appropriate Desert Integration Energy and resource efficient site planning and landscaping.
May 19, 2005	STRATEGIES: Passive First – Reduction of Power Demands Through Design With Nature Passive solar strategies for an energy efficient building through orientation, spatial arrangement, materials selection, and building element placement.
June 16, 2005	TECHNOLOGIES: Water – Meeting Human Needs and Comfort Resource efficiency, applications, and solar heating for domestic use for pools, washing, and bathing, and for health (distilling).
July 21, 2005	TECHNOLOGIES: Space Heating and Cooling – Passive and Active Renewable Energy (R.E.) Systems for Gaining Comfort R.E. heating and cooling thermal mass and skin approaches—from building materials to cool towers and roof ponds.
August 18, 2005	TECHNOLOGIES: Power From the Sun – Independence and security with Photovoltaics Overview of photovoltaic utilization and integration.
September 15, 2005	TECHNOLOGIES: What's Cooking? – Hot Food and Clean Water Using the Sun A popular past lecture returned by public demand – using the sun's heat to cook our food and purify our water.
October 20, 2005	MOTIVATIONS: Incentives and Opportunities in Using Renewables Economic and environmental benefits from using renewable energy.
November 17, 2005	Arizona Visions- Living with the Sun A variety of projections and designs for Arizona application. A future of energy security, independence, resource efficiency, and environmental appropriateness. Ideas, ideals, dreams, whimsy, and joy.

The lectures are **free**, but may be changed or altered from time to time. Please check the Calendar on the Solar Center website www.azsolarcenter.com for updates. For more information, please call Dan Aiello, lecture coordinator at (602) 952-8192 or Anthony Floyd, City of Scottsdale at (480) 312-4202.